



**NSAI**  
Standards

Irish Standard  
I.S. EN 1824:2020

## Road marking materials - Road trials

**I.S. EN 1824:2020**

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## National Foreword

I.S. EN 1824:2020 is the adopted Irish version of the European Document EN 1824:2020, Road marking materials - Road trials

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EUROPEAN STANDARD

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November 2020

ICS 93.080.20

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English Version

## Road marking materials - Road trials

Produits de marquage routier - Essais routiers

Straßenmarkierungsmaterialien - Feldprüfungen

This European Standard was approved by CEN on 3 August 2020.

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## **European foreword**

This document (EN 1824:2020) has been prepared by Technical Committee CEN/TC 226 “Road equipment”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2021, and conflicting national standards shall be withdrawn at the latest by May 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1824:2011.

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## EN 1824:2020 (E)

### 1 Scope

This document specifies the requirements for conducting road trials for road marking intended for use in both permanent and temporary road marking. Details are given for test sites, for the application of road marking materials on the test sites, for the parameters to be measured and the frequency of the measurements and for the presentation of the results in the form of a test report.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1436, *Road marking materials - Road marking performance for road users and test methods*

EN 13036-1, *Road and airfield surface characteristics - Test methods - Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique*

### 3 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

#### 3.1

##### **roll-over class**

number of wheel passages over a point of a road surface within a specified period of time

#### 3.2

##### **useful rate of application**

quantity, expressed in  $\text{g} \times \text{m}^{-2}$ , of base material and/or drop-on and/or other materials which have adhered to the road surface, when lines are done

#### 3.3

##### **rate of consumption during application**

quantity, expressed in  $\text{g} \times \text{m}^{-2}$ , of drop-on or injection materials at the exit of the guns of the application equipment

#### 3.4

##### **percentage of heavy vehicles**

ratio between the number of heavy vehicles and the number of all vehicles circulating on the test site

#### 3.5

##### **road marking assembly**

assembly composed of base road marking material together with the precise application instructions and designs including the identification of the manufacturer, dosages, types and proportions of additional materials (drop-on or other) needed to build up the applied road marking, every change to which is a new assembly

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